

What is claimed is:

1 1. A digital video cassette recorder comprising:
2 command means for providing a search command;
3 reproduction means for outputting data reproduced in a normal mode of operation in response
4 to a fourth control signal;
5 switch means for selecting the data output by the reproduction means for a predetermined
6 time, in response to a first control signal;
7 memory means for storing the data output selected by said switch means;
8 display means for displaying the data output stored in said memory means in response to a
9 second control signal;
10 capstan motor means for adjusting a traveling speed of a tape in accordance with a normal
11 reproduction mode or a search mode in response to a third control signal; and
12 controller means for outputting the fourth, first, second and third control signals for
13 controlling said reproduction means, said switch means, said display means and said capstan motor
14 means, respectively, when the search command is provided by said command means.

1 2. The digital video cassette recorder as claimed in claim 1, wherein said predetermined time
2 is a time for normally reproducing a predetermined number of frames.

1 3. A method of processing a screen picture during a search, comprising the steps of:

2 (a) providing a search command;
3 (b) reproducing a predetermined number of frames in a normal mode of operation;
4 (c) storing image data reproduced in the normal mode or operation;
5 (d) executing the search to detect desired image data while displaying the stored image data;
6 (e) preventing reproduced data from being displayed and displaying detected data instead
7 when desired image data is detected; and
8 (f) determining whether display of the detected data is completed and whether the search
9 operation will continue;
10 wherein, when the display of the searched data is completed and the search operation is to
11 continue, said steps (d) to (f) are repeated.

1 4. The method of processing a screen picture during a search as claimed in claim 3, wherein
2 when the display of the searched data is completed and the search operation is to continue, said steps
3 (b) to (f) are repeated.

1 5. The method of processing a screen picture during a search as claimed in claim 4, wherein
2 said step (d) comprises the steps of:
3 converting a traveling speed of a tape to a traveling speed used during the search; and
4 preventing data reproduced during the search from being displayed.

1 6. The method of processing a screen picture during a search as claimed in claim 3, wherein

2 said step (d) comprises the steps of:

3 converting a traveling speed of a tape to a traveling speed used during the search; and
4 preventing data reproduced during the search from being displayed.

5 7. A digital video cassette recorder, comprising:

6 command means for providing a search command;

7 reproduction means for outputting data reproduced in a normal mode of operation in response
8 to a first control signal;

9 switch means for selecting the data output by the reproduction means for a predetermined
10 time in response to a second control signal;

11 motor means for adjusting a traveling speed of a tape in accordance with a normal
12 reproduction mode and a search mode, respectively, in response to a third control signal; and

13 controller means for providing said first, second and third control signals for controlling said
14 reproduction means, said switch means and said motor means, respectively, when the search
15 command is provided by said command means.

1 8. The digital video cassette recorder as claimed in claim 7, further comprising output means
2 for outputting the data selected by said switch means.

1 9. The digital video cassette recorder as claimed in claim 8, wherein said output means
2 comprises a memory for storing the data output selected by said switch means.

1 10. The digital video cassette recorder as claimed in claim 8, wherein said output means
2 comprises a display unit for displaying the data output selected by said switch means.

1 11. The digital video cassette recorder as claimed in claim 10, wherein said control means
2 provides a fourth control signal for controlling the display unit.

1 12. A method for processing a screen picture during a search, comprising the steps of:
2 providing a search command;
3 reproducing a predetermined number of frames in a normal mode of operation;
4 storing image data reproduced in the normal mode of operation;
5 executing the search to detect desired image data while displaying the stored image data;
6 preventing the data reproduced in the normal mode of operation from being displayed and
7 displaying the detected desired image data instead when the desired image data is detected; and
8 determining whether display of the searched data is completed; and
9 when the display of the search data is not completed, displaying the searched data.

1 13. The method of processing a screen picture during a search as claimed in claim 12, further
2 comprising the step of:
3 when the display of the searched data is completed, determining whether the search is to
4 continue.

1 14. The method of processing a screen picture during a search as claimed in claim 13, further
2 comprising returning to the step of storing the image data reproduced in the normal mode of
3 operation when the search is to continue.

1 15. The method of processing a screen picture during a search as claimed in claim 12,
2 wherein the step of executing the search to detect the desired image data while displaying the stored
3 image data comprises the steps of:
4 converting a traveling speed of a tape to a traveling speed used during the search; and
5 preventing data reproduced during the search from being displayed.